

**EXHIBIT A**

49. A polypeptide according to claim 83, wherein said polypeptide includes at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and at the carboxyl-terminus.
50. A polypeptide according to claim 49, wherein said polypeptide includes at least one additional amino acid at the amino-terminus and at the carboxyl-terminus.
51. A polypeptide according to claim 49, wherein said polypeptide includes at least one additional amino acid at the amino-terminus.
52. A polypeptide according to claim 51, wherein said polypeptide includes a methionine at the amino-terminus.
53. A polypeptide according to claim 49, wherein said polypeptide includes at least one additional amino acid at the carboxyl-terminus.
67. A pharmaceutical composition comprising a polypeptide of claim 69 and a pharmaceutically acceptable carrier.
68. A pharmaceutical composition comprising a polypeptide of claim 83 and a pharmaceutically acceptable carrier.
69. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, wherein said polypeptide is encoded by a DNA molecule selected from the group consisting of:
  - A) a DNA molecule comprising the sequence:

R<sup>2</sup> GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC  
CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC  
AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG  
GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC  
TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC  
CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG  
GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC  
GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT  
TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC  
CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG  
GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT  
TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT  
AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC  
CTA CCC CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof, wherein R<sup>2</sup> is absent or  
is a DNA molecule comprising a sequence coding for a polypeptide which can be  
cleaved *in vivo*;

B) a DNA molecule comprising the sequence:

R<sup>2</sup> GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC  
CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC  
CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA  
GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT  
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC  
CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA  
AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC  
ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG  
AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC  
CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC  
AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA  
CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC  
TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT  
AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG  
TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT  
GAG GAC TCA GGC ACC ACA,

or a C- and/or N- terminally shortened sequence thereof, wherein R<sup>2</sup> is absent or  
represents a DNA molecule coding for a polypeptide which can be cleaved *in*  
*vivo*;

- C) a DNA molecule comprising the sequence of A or B encoding at least one conservative amino acid substitution;
  - D) a DNA molecule comprising the sequence of A or B encoding at least one amino acid substitution at a glycosylation site;
  - E) a DNA molecule comprising the sequence of A or B encoding at least one amino acid substitution at a proteolytic cleavage site; and
  - F) a DNA molecule comprising the sequence of A or B encoding at least one amino acid substitution at a cysteine residue.
70. A polypeptide according to claim 69, wherein  $R^2$  is a DNA molecule comprising a sequence which codes for a polypeptide which can be cleaved *in vivo*.
71. A polypeptide according to claim 69, wherein  $R^2$  is a DNA molecule comprising the sequence: CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA, or a C- and/or N- terminally shortened sequence thereof.
72. A polypeptide according to claim 69, wherein  $R^2$  is a DNA molecule encoding an amino acid sequence comprising: leu val pro his leu gly asp arg glu lys arg, or a C- and/or N- terminally shortened sequence thereof.
73. A polypeptide according to claim 70, wherein  $R^2$  is a DNA molecule comprising the sequence:  $R^3$  CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA, or a C- and/or N- terminally shortened sequence thereof, wherein  $R^3$  is a DNA molecule coding for a signal peptide.
74. A polypeptide according to claim 70, wherein  $R^2$  is a DNA molecule encoding an amino acid sequence comprising:  $R^3$  leu val pro his leu gly asp arg glu lys arg, or

a C- and/or N- terminally shortened sequence thereof, wherein R<sup>3</sup> is a DNA molecule coding for a signal peptide.

75. A polypeptide according to claim 73, wherein R<sup>3</sup> is a DNA molecule comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA  
CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC  
TCA GGG GTT ATT GGA,

or a C- and/or N- terminally shortened sequence thereof.

76. A polypeptide according to claim 74, wherein R<sup>3</sup> is a DNA molecule encoding an amino acid sequence comprising:

met gly leu ser thr val pro asp leu leu leu pro leu val  
leu leu glu leu leu val gly ile tyr pro ser gly val ile  
gly,

or a C- and/or N- terminally shortened sequence thereof.

78. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, wherein said polypeptide is encoded by a DNA molecule selected from the group consisting of:

- A) a DNA molecule comprising the sequence:

CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT  
AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA  
AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA  
ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG  
GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC  
ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC  
TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG

ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT  
GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT  
GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC  
CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA  
CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT  
CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT  
AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC  
CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof;

B) a DNA molecule comprising the sequence:

CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT  
AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA  
AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA  
ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG  
GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC  
ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC  
TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG  
ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT  
GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT  
GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC  
CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA  
CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT  
CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT  
AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC  
CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC  
ACC ACA,

or a C- and/or N- terminally shortened sequence thereof;

C) a DNA molecule comprising the sequence:

GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT  
CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA  
GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG  
CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC  
TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC  
AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG

GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG  
TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG  
AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC  
TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG  
AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC  
TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC  
TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA  
CCC CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof;

D) a DNA molecule comprising the sequence:

GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT  
CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA  
GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG  
CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC  
TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC  
AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG  
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG  
TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG  
AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC  
TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG  
AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC  
TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC  
TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA  
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA  
GGC ACC ACA,

or a C- and/or N- terminally shortened sequence thereof;

E) a DNA molecule comprising the sequence of A, B, C or D encoding at least one conservative amino acid substitution;

F) a DNA molecule comprising the of A, B, C or D encoding at least one amino acid substitution at a glycosylation site;

G) a DNA molecule comprising the of A, B, C or D encoding at least one amino acid substitution at a proteolytic cleavage site; and

H) a DNA molecule comprising the of A, B, C or D encoding at least one amino acid substitution at a cysteine residue.

80. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, wherein said polypeptide is encoded by a DNA molecule selected from the group consisting of:

A) a DNA molecule comprising the sequence:

ATG CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA  
GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT  
CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA  
GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG  
CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC  
TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC  
AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG  
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG  
TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG  
AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC  
TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG  
AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC  
TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC  
TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA  
CCC CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof;

B) a DNA molecule comprising the sequence:

ATG CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA  
GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT  
CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA  
GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG  
CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC  
TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC  
AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG  
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG  
TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG

AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC  
TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG  
AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC  
TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC  
TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA  
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA  
GGC ACC ACA,

or a C- and/or N- terminally shortened sequence thereof;

C) a DNA molecule comprising the sequence:

ATG GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC  
CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC  
AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG  
GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC  
TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC  
CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG  
GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC  
GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT  
TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC  
CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG  
GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT  
TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT  
AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC  
CTA CCC CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof;

D) a DNA molecule comprising the sequence:

ATG GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC  
CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC  
AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG  
GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC  
TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC  
CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG  
GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC  
GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT  
TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC  
CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG

GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT  
TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT  
AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC  
CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC  
TCA GGC ACC ACA,

or a C- and/or N- terminally shortened sequence thereof;

E) a DNA molecule comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA  
CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC  
TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC  
AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA  
TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC  
AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT  
CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT  
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC  
AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA  
ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC  
CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC  
CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC  
AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC  
TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC  
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC  
TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG  
AAG TTG TGC CTA CCC CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof;

F) a DNA molecule comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA  
CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC  
TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC  
AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA  
TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC  
AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT  
CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT  
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC  
AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA

ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC  
CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC  
CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC  
AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC  
TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC  
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC  
TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG  
AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC  
ACT GAG GAC TCA GGC ACC ACA,

or a C- and/or N- terminally shortened sequence thereof;

G) a DNA molecule comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA  
CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC  
TCA GGG GTT ATT GGA GAT AGT GTG TGT CCC CAA GGA  
AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT  
ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC  
TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG  
TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC  
CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG  
GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG  
GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG  
TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC  
TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC  
CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC  
TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT  
GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC  
ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT,

or a C- and/or N- terminally shortened sequence thereof;

H) a DNA molecule comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA  
CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC  
TCA GGG GTT ATT GGA GAT AGT GTG TGT CCC CAA GGA  
AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT  
ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC

TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG  
TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC  
CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG  
GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG  
GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG  
TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC  
TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC  
CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC  
TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT  
GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC  
ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG  
GGC ACT GAG GAC TCA GGC ACC ACA,

or a C- and/or N- terminally shortened sequence thereof;

I) a DNA molecule comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA  
CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC  
TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC  
AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA  
TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC  
AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT  
CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT  
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC  
AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA  
ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC  
CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC  
CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC  
AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC  
TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC  
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC  
TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG  
AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC  
ACT GAG GAC TCA GGC ACC ACA GTG CTG TTG CCC CTG  
GTC ATT TTC TTT GGT CTT TGC CTT TTA TCC CTC CTC  
TTC ATT GGT TTA ATG TAT CGC TAC CAA CGG TGG AAG  
TCC AAG CTC TAC TCC ATT GTT TGT GGG AAA TCG ACA  
CCT GAA AAA GAG GGG GAG CTT GAA GGA ACT ACT ACT  
AAG CCC CTG GCC CCA AAC CCA AGC TTC AGT CCC ACT  
CCA GGC TTC ACC CCC ACC CTG GGC TTC AGT CCC GTG  
CCC AGT TCC ACC TTC ACC TCC AGC TCC ACC TAT ACC  
CCC GGT GAC TGT CCC AAC TTT GCG GCT CCC CGC AGA

GAG GTG GCA CCA CCC TAT CAG GGG GCT GAC CCC ATC  
CTT GCG ACA GCC CTC GCC TCC GAC CCC ATC CCC AAC  
CCC CTT CAG AAG TGG GAG GAC AGC GCC CAC AAG CCA  
CAG AGC CTA GAC ACT GAT GAC CCC GCG ACG CTG TAC  
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAG  
GAA TTC GTG CGG CGC CTA GGG CTG AGC GAC CAC GAG  
ATC GAT CGG CTG GAG CTG CAG AAC GGG CGC TGC CTG  
CGC GAG GCG CAA TAC AGC ATG CTG GCG ACC TGG AGG  
CGG CGC ACG CCG CGG CGC GAG GCC ACG CTG GAG CTG  
CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC  
TGC CTG GAG GAC ATC GAG GAG GCG CTT TGC GGC CCC  
GCC GCC CTC CCG CCC GCG CCC AGT CTT CTC AGA,

or a C- and/or N- terminally shortened sequence thereof;

J) a DNA molecule comprising the sequence of A, B, C, D, E, F, G, H or I  
encoding at least one conservative amino acid substitution;

K) a DNA molecule comprising the sequence of A, B, C, D, E, F, G, H or I  
encoding at least one amino acid substitution at a glycosylation site;

L) a DNA molecule comprising the sequence of A, B, C, D, E, F, G, H or I  
encoding at least one amino acid substitution at a proteolytic cleavage site; and

M) a DNA molecule comprising the sequence of A, B, C, D, E, F, G, H or I  
encoding at least one amino acid substitution at a cysteine residue.

82. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, characterized in that the polypeptide is encoded by a nucleic acid which hybridizes with DNA complementary to the DNA defined in claim 69 under conditions of moderate stringency.

83. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, wherein said polypeptide is selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

R<sup>2</sup> asp ser val cys pro gln gly lys tyr ile his pro gln asn  
asn ser ile cys cys thr lys cys his lys gly thr tyr leu  
tyr asn asp cys pro gly pro gly gln asp thr asp cys arg  
glu cys glu ser gly ser phe thr ala ser glu asn his leu  
arg his cys leu ser cys ser lys cys arg lys glu met gly  
gln val glu ile ser ser cys thr val asp arg asp thr val  
cys gly cys arg lys asn gln tyr arg his tyr trp ser glu  
asn leu phe gln cys phe asn cys ser leu cys leu asn gly  
thr val his leu ser cys gln glu lys gln asn thr val cys  
thr cys his ala gly phe phe leu arg glu asn glu cys val  
ser cys ser asn cys lys lys ser leu glu cys thr lys leu  
cys leu pro gln ile glu asn,

or a C- and/or N- terminally shortened sequence thereof, wherein R<sup>2</sup> is absent or  
is a polypeptide which can be cleaved *in vivo*;

B) a polypeptide comprising the amino acid sequence:

R<sup>2</sup> asp ser val cys pro gln gly lys tyr ile his pro gln asn  
asn ser ile cys cys thr lys cys his lys gly thr tyr leu  
tyr asn asp cys pro gly pro gly gln asp thr asp cys arg  
glu cys glu ser gly ser phe thr ala ser glu asn his leu  
arg his cys leu ser cys ser lys cys arg lys glu met gly  
gln val glu ile ser ser cys thr val asp arg asp thr val  
cys gly cys arg lys asn gln tyr arg his tyr trp ser glu  
asn leu phe gln cys phe asn cys ser leu cys leu asn gly  
thr val his leu ser cys gln glu lys gln asn thr val cys  
thr cys his ala gly phe phe leu arg glu asn glu cys val  
ser cys ser asn cys lys lys ser leu glu cys thr lys leu  
cys leu pro gln ile glu asn val lys gly thr glu asp ser  
gly thr thr,

or a C- and/or N- terminally shortened sequence thereof, wherein R<sup>2</sup> is absent or  
is a polypeptide which can be cleaved *in vivo*;

C) a polypeptide comprising the amino acid sequence of A or B with at least one conservative amino acid substitution;

D) a polypeptide comprising the amino acid sequence of A or B with at least one amino acid substitution at a glycosylation site;

E) a polypeptide comprising the amino acid sequence of A or B with at least one amino acid substitution at a proteolytic cleavage site; and

F) a polypeptide comprising the amino acid sequence of A or B with at least one amino acid substitution at a cysteine residue.

84. A polypeptide according to claim 83, wherein R<sup>2</sup> is a polypeptide comprising an amino acid sequence which can be cleaved *in vivo*.

85. A polypeptide according to claim 84, wherein R<sup>2</sup> is a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val  
leu leu glu leu leu val gly ile tyr pro ser gly val ile  
gly,

or a C- and/or N- terminally shortened sequence thereof.

95. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, characterized in that the polypeptide is encoded by a nucleic acid which hybridizes with DNA complementary to the DNA defined in claim 83 under conditions of moderate stringency.

96. A polypeptide according to claim 83, wherein said polypeptide is selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn
asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu
tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg
glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu
arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly
gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val
cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu
asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly
thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys
thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val
ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu
cys	leu	pro	gln	ile	glu	asn,							

or a C- and/or N- terminally shortened sequence thereof;

B) a polypeptide comprising the amino acid sequence:

leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser	val
cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser	ile
cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn	asp
cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys	glu
ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his	cys
leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val	glu
ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly	cys
arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu	phe
gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val	his
leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys	his
ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu	pro
gln	ile	glu	asn,										

or a C- and/or N- terminally shortened sequence thereof;

C) a polypeptide comprising the amino acid sequence:

asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn
asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu

tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg
glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu
arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly
gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val
cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu
asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly
thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys
thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val
ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu
cys	leu	pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp	ser
gly	thr	thr,											

or a C- and/or N- terminally shortened sequence thereof;

D) a polypeptide comprising the amino acid sequence:

leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser	val
cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser	ile
cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn	asp
cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys	glu
ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his	cys
leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val	glu
ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly	cys
arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu	phe
gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val	his
leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys	his
ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu	pro
gln	ile	glu	asn	val	lys	gly	thr	glu	asp	ser	gly	thr	thr,

or a C- and/or N- terminally shortened sequence thereof;

E) a polypeptide comprising the amino acid sequence of A, B, C or D with at least one conservative amino acid substitution;

F) a polypeptide comprising the amino acid sequence of A, B, C or D with at least one amino acid substitution at a glycosylation site;

G) a polypeptide comprising the amino acid sequence of A, B, C or D with at least one amino acid substitution at a proteolytic cleavage site; and

H) a polypeptide comprising the amino acid sequence of A, B, C or D with at least one amino acid substitution at a cysteine residue.

102. A polypeptide according to claim 96, wherein said polypeptide is not associated with human urinary proteins.

103. A recombinant polypeptide which is nonglycosylated or is glycosylated by a CHO cell and has the ability to bind to TNF, wherein said polypeptide is selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

met	asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	ile	glu	asn,						

or a C- and/or N- terminally shortened sequence thereof;

B) a polypeptide comprising the amino acid sequence:

met	leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser
val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys

glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his
cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly
cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu
phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val
his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys
ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu
pro	gln	ile	glu	asn,									

or a C- and/or N- terminally shortened sequence thereof;

C) a polypeptide comprising the amino acid sequence:

met	asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp
ser	gly	thr	thr,										

or a C- and/or N- terminally shortened sequence thereof;

D) a polypeptide comprising the amino acid sequence:

met	leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser
val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys
glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his
cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly
cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu
phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val

his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys
ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu
pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp	ser	gly	thr
thr,													

or a C- and/or N- terminally shortened sequence thereof;

E) a polypeptide comprising the amino acid sequence:

met	gly	leu	ser	thr	val	pro	asp	leu	leu	pro	leu	val	
leu	leu	glu	leu	leu	val	gly	ile	tyr	pro	ser	gly	val	ile
gly	leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser
val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys
glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his
cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly
cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu
phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val
his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys
ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu
pro	gln	ile	glu	asn,									

or a C- and/or N- terminally shortened sequence thereof;

F) a polypeptide comprising the amino acid sequence:

met	gly	leu	ser	thr	val	pro	asp	leu	leu	pro	leu	val	
leu	leu	glu	leu	leu	val	gly	ile	tyr	pro	ser	gly	val	ile
gly	leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser
val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys
glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his
cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly
cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu
phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val

his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys
ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu
pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp	ser	gly	thr
thr,													

or a C- and/or N- terminally shortened sequence thereof;

G) a polypeptide comprising the amino acid sequence:

met	gly	leu	ser	thr	val	pro	asp	leu	leu	leu	pro	leu	val
leu	leu	glu	leu	leu	val	gly	ile	tyr	pro	ser	gly	val	ile
gly	asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	ile	glu	asn,						

or a C- and/or N- terminally shortened sequence thereof;

H) a polypeptide comprising the amino acid sequence:

met	gly	leu	ser	thr	val	pro	asp	leu	leu	leu	pro	leu	val
leu	leu	glu	leu	leu	val	gly	ile	tyr	pro	ser	gly	val	ile
gly	asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys

val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp
ser	gly	thr	thr,										

or a C- and/or N- terminally shortened sequence thereof;

I) a polypeptide comprising the amino acid sequence:

met	gly	leu	ser	thr	val	pro	asp	leu	leu	pro	leu	val
leu	leu	glu	leu	leu	val	gly	ile	tyr	pro	ser	gly	val
gly	leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	ile
val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asp
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	ser
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	ser
glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	his
cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys
cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	gly
phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	thr	val
his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	cys
ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	leu
pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp	ser	gly
thr	val	leu	leu	pro	leu	val	ile	phe	phe	gly	leu	cys
leu	ser	leu	leu	phe	ile	gly	leu	met	tyr	arg	tyr	gln
trp	lys	ser	lys	leu	tyr	ser	ile	val	cys	gly	lys	ser
pro	glu	lys	glu	gly	glu	leu	glu	gly	thr	thr	lys	pro
leu	ala	pro	asn	pro	ser	phe	ser	pro	thr	pro	gly	phe
pro	thr	leu	gly	phe	ser	pro	val	pro	ser	ser	thr	phe
ser	ser	ser	thr	tyr	thr	pro	gly	asp	cys	pro	asn	phe
ala	pro	arg	arg	glu	val	ala	pro	pro	tyr	gln	gly	ala
pro	ile	leu	ala	thr	ala	leu	ala	ser	asp	pro	ile	asp
pro	leu	gln	lys	trp	glu	asp	ser	ala	his	lys	pro	gln
leu	asp	thr	asp	asp	pro	ala	thr	leu	tyr	ala	val	glu
asn	val	pro	pro	leu	arg	trp	lys	glu	phe	val	arg	arg
gly	leu	ser	asp	his	glu	ile	asp	arg	leu	glu	leu	leu
gly	arg	cys	leu	arg	glu	ala	gln	tyr	ser	met	leu	ala
trp	arg	arg	arg	thr	pro	arg	arg	glu	ala	thr	leu	glu
leu	gly	arg	val	leu	arg	asp	met	asp	leu	leu	gly	cys
glu	asp	ile	glu	glu	ala	leu	cys	gly	pro	ala	ala	leu
pro	ala	pro	ser	leu	leu	arg,						

or a C- and/or N- terminally shortened sequence thereof;

J) a polypeptide comprising the amino acid sequence of A, B, C, D, E, F, G, H, or I with at least one conservative amino acid substitution;

K) a polypeptide comprising the amino acid sequence of A, B, C, D, E, F, G, H, or I with at least one amino acid substitution at a glycosylation site;

L) a polypeptide comprising the amino acid sequence of A, B, C, D, E, F, G, H, or I with at least one amino acid substitution at a proteolytic cleavage site; and

M) a polypeptide comprising the amino acid sequence of A, B, C, D, E, F, G, H, or I with at least one amino acid substitution at a cysteine residue.

107. A polypeptide according to claim 103, wherein said polypeptide is chemically derivatized.

108. A polypeptide having the ability to bind to TNF comprising an amino acid sequence as set forth in one of claims 69, 78, 80, 83, 96 or 103 with at least one conservative amino acid substitution.

109. A polypeptide according to claim 108, wherein said polypeptide includes at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and at the carboxyl-terminus.

110. A polypeptide according to claim 109, wherein said polypeptide includes at least one additional amino acid at the amino-terminus and at the carboxyl-terminus.

111. A polypeptide according to claim 108, wherein said polypeptide includes at least one additional amino acid at the amino-terminus.

112. A polypeptide according to claim 111, wherein said polypeptide includes a methionine at the amino-terminus.

113. A polypeptide according to claim 109, wherein said polypeptide includes at least one additional amino acid at the carboxyl-terminus.

114. A polypeptide according to claim 108, wherein said polypeptide includes a methionine at the amino-terminus and said amino acid substitution is at a glycosylation site.

115. A polypeptide according to claim 108, wherein said amino acid substitution is at a glycosylation site.